

Substitute for Form 1449/PTO

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Application Number 10/588,421

Filing Date August 4, 2006

First Named Inventor Roch Listz MAURICE

Art Unit To be assigned

Examiner Name To be assigned

Attorney Docket No. BCM-009US

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use as many sheets as necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIALS *	ATTY. CITE NO.	DOCUMENT NUMBER	ISSUE/PUBLICATION DATE MM-DD-YYYY	NAME OF APPLICANT OF CITED DOCUMENT	CLASS	SUB-CLASS

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS *	ATTY. CITE NO.	DOCUMENT NUMBER	PUBLICATION DATE MM-DD-YYYY	COUNTRY	TRANSLATION	
					YES	NO

NON-PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS *	atty. Cite no.	Include Author, Title, Date, Vol/Issue No., Country of publication, Pages, etc.
	CA	Bang J., Dahl T., Bruinsma A., Kaspersen J. H., Hernes T. A. N., Myhre H. O. (2003), "A new method for analysis of motion of carotid plaques from RF ultrasound images", <i>Ultrasound in Med. & Biol.</i> , Vol. 29, No. 7, pp. 967-976.
	CB	Brusseau E., Fromageau J., Finet G., Delacharte P., and Vray D. (2001), "Axial strain imaging of intravascular data: Results on polyvinyl alcohol cryogel phantoms and carotid artery", <i>Ultrasound in Medicine & Biology</i> , Vol. 27, No. 12, pp. 1631-1642.
	CC	Zaman A.G., Helft G., Worthley S.G., Badimon J.J. (2000), "The role of plaque rupture in coronary artery disease", <i>Atherosclerosis</i> , Vol. 149, pp. 251-266.
	CD	Cheng, G. C. Loree, H. M., Kamm, R. D., Fishbein, M.C., Lee, R.T. (1993), "Distribution of circumferential stress in ruptured and stable atherosclerotic lesions: a structural analysis; with histopathological correlation," <i>Circulation</i> , Vol. 87, No. 4, pp. 1179-1187.
	CE	Chu K.C. and Rutt B.K (1997), "Polyvinyl alcohol cryogel: An ideal phantom material for MR studies of arterial flow and elasticity". <i>Magn. Reson. In Med.</i> , Vol. 37, pp. 314-319.
	CF	Davies J.M. and Thomas A.C. (1985), "Plaque fissuring: The cause of acute myocardial infarction, sudden ischaemic death, and crescendo angina", <i>Br. Heart J.</i> , Vol. 53, pp. 363-373.
	CG	de Korte C. L., Céspedes E. I., Van der Steen A. F. W., and Lancée C. T. (1997), "Intravascular elasticity imaging using ultrasound - Feasibility studies in phantoms", <i>Ultrasound in Medicine & Biology</i> , Vol. 23, No. 5, pp. 735-746.
	CH	de Korte C. L., Vafi der Steen A. F. W., Céspedes E. I., and Pasterkamp G. (1998), "Intravascular ultrasound elastography in human arteries: Initial experience in vitro," <i>Ultrasound in Medicine & Biology</i> , Vol. 24, No. 3, pp. 401-408.

EXAMINER SIGNATURE: /Nigel Fontenot/

DATE CONSIDERED: 05/06/2009

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EXAMINER INITIALS *	ATTY. CITE NO.	INCLUDE AUTHOR, TITLE, DATE, VOL/ISSUE NO., COUNTRY OF PUBLICATION, PAGES, ETC.
	CI	de Korte C. L. Pasterkamp G., Van der Steen A. F. W., Woutman H. A., and Bom N. (2000a), "Characterization of plaque components with intravascular ultrasound elastography in human femoral and coronary arteries in vitro", <i>Circulation</i> , Vol. 102, No. 6, pp. 617-623.
	CJ	de Korte C. L., Van der Steen A. F. W., Céspedes E. I., Pasterkamp G., Carlier S. G., Mastik F., Schoneveld A. H., Serruys P. W., and Bom N. (2000b), "Characterization of plaque components and vulnerability with intravascular ultrasound elastography," <i>Physics in Medicine & Biology</i> , Vol. 45, No. 6, pp. 1465-1475.
	CK	Delachartre P., Gachard C., Finet G., Gerfault L., Vray D. (1999), "Modeling geometric artefacts in Intravascular Ultrasound Imaging", <i>Ultrasound in Medicine and Biology</i> , Vol. 25, No. 4, pp. 567-575.
	CL	Falk E. (1989), "Morphologic features of unstable atherosclerotic plaques underlying acute [coronary syndromes]", <i>Am. J. Cardiol.</i> , 63(suppl E), pp. 114E-120E.
	CM	Falk E. (1992), "Why do plaques rupture?", <i>Circulation</i> , Vol. 86(suppl. III), pp. 30-42.
	CN	Fisher A., Gustin D.E., Fayad Z.A., Fuster V. (2000), "Predicting plaque rupture: enhancing diagnosis and clinical decision-making in coronary artery disease", <i>Vasc. Med</i> , Vol. 5, pp. 163-172.
	CO	Foster F. S., Zhang M. Y., Zhou Y. Q., Liu G., Mehi J., Chérin E., Harasiewicz K. A., Starkoski B. G., Zan L., Knapik D. A., and Adamson S. L. (2002), "A new ultrasound instrument for in vivo microimaging of mice," <i>Ultrasound in Med. & Biol.</i> , Vol. 28, No. 9, pp. 1165-1172.
	CP	Fung Y.C. <i>Biomechanical properties of living tissues</i> . 2 nd Ed., "Mechanical Properties and Active Remodeling of Blood Vessels", New York: Springer Verlag, 1993, pp. 321-391.
	CQ	Garra B. S., Céspedes E. I., Ophir J., Sprat, S. R., Zuurbier R. A., Magnan C. M., and Pennanen M. F. (1997), "Elastography of breast lesions: initial clinical results", <i>Radiology</i> , Vol. 202, No. 1, pp. 79-86.
	CR	Goud C., Pitt B., Webb R.C., Richey J.M. (1998J), "Synergistic actions of insulin and troglitazone on contractility in endothelium-denuded rat aortic rings", <i>Am. J. Physiol. Soc.</i> , Vol. 275 (Endocrinol Metab. 38), pp. E882- E887.
	CS	Hamet P., Pausova Z., Tremblay J., Deng A. (2002), "Hypertension as a genetic disease", In: <i>Hypertension Manual</i> , Chapter 2.2, Mancía G., 20 Chalmers J., Ferrari A., Julius S., Saruta T., and Weber M., Eds, Harcourt Brace and Co. Ltd, Robert Stevenson House, Scotland, UK.
	CT	Zhao J., Day J., Yuan Z.F., Gregersen H. (2002), "Regional artery stress-strain distributions referenced to the zero-stress state in the rat", <i>Am. J. Physiol., Heart Circ. Physiol.</i> , Vol. 282, pp. H622-H629.
	CU	Horn B. K. P. (1986), "Robot Vision", <i>McGraw-Hill Company</i> , pp. 278-298.
	CV	Intengan H.D., He G., Schiffrin E.L. (1998a), "Effect of vasopressin antagonism on structure and mechanics of small arteries and vascular expression of endothelin-1 in deoxycorticosterone acetate-salt hypertensive rats", <i>Hypertension</i> , Vol. 32, pp. 770-777.
	CW	Intengan H.D., Schiffrin E.L. (1998b), "Mechanical properties of mesenteric resistance arteries from Dahl salt-sensitive rats: role of endothelin-1", <i>Journal of Hypertension</i> , Vol. 16, pp. 1907-1912.
	CX	Johns D.G., Jin J-S, Webb R.C. (1998), "The role of the endothelium in ceramide-induced; vasodilation", <i>European Journal of Pharmacology</i> , Vol. 349, pp. R9-R10.
	CY	Kanai H., Hasegawa H., Ichiki M., Tezuka F., Kolwa Y. (2003), "Elasticity imaging of atheroma with transcutaneous ultrasound: Preliminary study", <i>Circulation</i> , Vol. 107, No. 24, pp. 3018-3021.
	CZ	Le Mehaute B. <i>An introduction to hydrodynamics and water waves</i> . New-York: Springer-Verlag, 1976, pp. 18-20.

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CAA		Lee; R. T., Loree, H. M., Cheng, G. C., Lieberman, E.H., Jaramillo, N., Schoen, F.J. (1993), "Computational structural analysis based on intravascular ultrasound imaging before in vitro angioplasty: prediction of plaque fracture locations," <i>J. Am. Coll. Cardiol.</i> , Vol. 21, No. 3, pp. 777-782.
CBB		Levenberg, K. (1963). "A method for the solution of certain non-linear problems in least-squares," <i>Q. Appl. Math.</i> , Vol. 2, No. 2, pp. 164-168.
CCC		Loree, H. M., Kamm, R. D., Stringfellow, R. G., Lee, R.T. (1992), "Effects of fibrous cap thickness on peak circumferential stress in model atherosclerotic vessels," <i>Circ Res.</i> Vol. 71, No. 4, pp. 850-858.
CDD		Mai J. J., Insana M. (2002), "Strain imaging of internal deformation", <i>Ultrasound in Med. & Biol.</i> , Vol. 28, Nos. 11/12 pp. 1475-1484.
CEE		Marquardt, D. W. (1944). "An algorithm for least-squares estimation of non-linear parameters," <i>J. SIAM</i> , Vol. 11, No. 2, pp. 431-441.
CFF		Mase G. E. <i>Theory and problems of continuum mechanics</i> . Schaum's Outline Series, McGraw-Hill, New York, 1970.
CGG		Maurice R. L. and Bertrand M. (1999), "Lagrangian speckle model and tissue motion estimation - Theory," <i>IEEE Transactions on Medical Imaging</i> , Vol. 18, No. 7, pp. 593-603.
CHH		Maurice R. L. et al. (2004b), « Non-Invasive Elasticity Imaging in Small Vessels: Validation on Tissue-Mimicking Phantoms », Medical Imaging 2004, Ultrasonic Imaging and Signal Processing, Proceedings of SPIE, W.F. Walker and S.Y. Emelianov Eds. Vol. 5373, pp. 184-192.
CII		Ohayon J., Teppaz P., Finet G., Rioufol G. (2001), "In-vivo prediction of human coronary plaque rupture location using intravascular ultrasound and the finite element method", <i>Coronary Artery Disease</i> , Vol. 12, pp. 655-663.
CJJ		Ophir J., Céspedes E. I., Ponnekanti H., Yazdi Y., and Li X. (1991), "Elastography: a quantitative method for imaging the elasticity in biological tissues", <i>Ultrasonic Imaging</i> , Vol. 13, No. 2, pp. 111-134.
CKK		Ophir J., Alam S. K., Garra B., Kallel F., Konofigou E., Krouskop T., and Varghese T. (1999), "Elastography: ultrasonic estimation and imaging of the elastic properties of tissues," <i>Proceedings of the Institution of Mechanical Engineers. Part H - Journal of Engineering in Medicine</i> , Vol. 213, No. H3, pp. 203-233.
CLL		Ryan L.K. and Foster F. S. (1997), "Ultrasonic measurement of differential displacement strain in a vascular model," <i>Ultrasonic Imaging</i> , Vol. 19, No. 1, pp. 19-38.
CMM		Shapo B.M., Crowe J.R., Skovoroda A.R., Eberle M.J., Conn N.A., O'Donnell M. (1996a), "Displacement and strain imaging of coronary arteries with intraluminal ultrasound", <i>IEEE Transactions on Ultrasonics, Ferroelectrics, & Frequency Control</i> , Vol. 43(2), pp. 234-246.
CNN		Shapo B.M., Crowe J.R., Erkamp R., Emelianov S.Y., Eberle M.J., O'Donnell M. (1996b), "Strain imaging of coronary arteries with intraluminal ultrasound: Experiments on an inhomogeneous phantom", <i>Ultrasonic Imaging</i> , Vol. 18(3), pp. 173-191.
COO		Si X., Webb R.C., Richey J.M. (1999), "Bezafibrate, an anti-hypertriglyceridemic drug, attenuates vascular hyperresponsiveness and elevated blood pressure in fructose-induced hypertensive rats", <i>Can. J. Physiol. Pharmacol.</i> , Vol. 77, pp. 755-762.
CPP		Tatchum-Talorn R., Martel C, Marette A. (2001), "Influence of estrogen on aortic stiffness and endothelial function in female rats", <i>Am. J. Physiol., Heart Circ. Physiol.</i> Vol. 282, pp. H491-H498.

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